UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,985,521 B1   Page 1 of 1
APPLICATION NO. : 09/779789
DATED   : January 10, 2006
INVENTOR(S) : Behrooz Rezvani, Sam Heidari and Dale Smith

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 14, lines 41-58 should be deleted and the following inserted:

--2. An apparatus for channel estimation in a communication device having a transmit path and a receive path both coupled to a communication medium, and the apparatus comprising;
a pseudo-random noise generator (PRN) coupled to the transmit path to   inject a code word into the transmit path;
  a correlator coupled to the receive path to generate an ordered set of correlation coefficients corresponding with successive phasings of the codeword with respect to a received signal, and the correlator including:
  a detector to detect peaks within the ordered set of correlation coefficients including both a peak corresponding with a leakage signal together with at least one other peak corresponding to a reflection of the injected codeword by the communication medium, and the detector determining at least one of the offset between peaks or a relative magnitude of the peaks, thereby estimating the channel characteristics
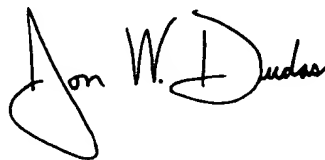across the communication medium. and the detector including:
  a peak detector for detecting peaks within the ordered set of correlation
 coefficients;
  a leakage peak detector for determining which among the peaks detected by said peak detector corresponds with the leakage peak; and
  a sequencer for sequentially ordering the peaks corresponding with a time of receipt of each of the reflected signals with respect to the peak corresponding with the time of receipt of the leakage signal to estimate channel characteristics for the communication medium. --

Signed and Sealed this

Twenty-eighth Day of November, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office